

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently amended) A non-woven soft tissue implant comprising a porous biocompatible film having a plurality of cells, a thickness of less than about 0.015 inches, and a surface area ratio less than 1.5, wherein ~~each of the cells in the plurality of cells has a plurality of undulating elements~~ the biocompatible film comprises one or more films of axially oriented polymer or copolymer.

2. (Currently amended) The non-woven soft tissue implant of claim 1, wherein the ~~porous biocompatible film~~ comprises polymer or copolymer is a non-absorbable polymer or copolymer.

3. (Currently amended) The non-woven soft tissue implant of claim 2, wherein the non-absorbable polymer or copolymer is selected from the group consisting of ~~comprises~~ polypropylene, polyethylene terephthalate, polytetrafluoroethylene, polyaryletherketone, nylon, fluorinated ethylene propylene, polybutester, ~~or~~ and silicone.

4. (Previously presented) The non-woven soft tissue implant of claim 1, wherein the ~~porous biocompatible film~~ polymer or copolymer comprises an absorbable polymer or copolymer.

5. (Previously presented) The non-woven soft tissue implant of claim 4, wherein the absorbable polymer or copolymer comprises polyglycolic acid (PGA), polylactic acid (PLA), polycaprolactone, or polyhydroxyalkanoate.

6. (Previously presented) The non-woven soft tissue implant of claim 1, wherein the porous biocompatible film comprises a biological material.

7. (Previously presented) The non-woven soft tissue implant of claim 6, wherein the biological material is collagen.

8. (Previously presented) The non-woven soft tissue implant of claim 1, wherein the implant has a surface area ratio of about 1.00.

9. (Previously presented) The non-woven soft tissue implant of claim 1, wherein one or more of the cells in the plurality of cells has a diameter, measured along the longest axis of the cell, of about 10 μ to about 10,000 μ .

10. (Previously presented) The non-woven soft tissue implant of claim 9, wherein one or more of the cells in the plurality of cells has a diameter, measured along the longest axis of the cell, of about 1,500 μ to about 5,000 μ .

11. (Previously presented) The non-woven soft tissue implant of claim 9, wherein one or more of the cells in the plurality of cells has a diameter, measured along the longest axis of the cell, of about 50 μ to about 100 μ .

12. (Currently amended) The non-woven soft tissue implant of claim 1, wherein one or more of the cells of the plurality has a shape selected from the group consisting of ~~are~~ essentially square, essentially rectangular, ~~or~~ and essentially diamond-shaped.

13. (Canceled)

14. (Canceled)

15. (Currently amended) The non-woven soft tissue implant of claim 1, wherein the thickness of the porous biocompatible film is ~~less than~~ about 0.001 - about 0.014 inches, ~~less than about 0.013 inches, less than about 0.012 inches, less than about 0.011 inches, less than~~

~~about 0.010 inches, less than about 0.009 inches, less than about 0.008 inches, less than about 0.007 inches, less than about 0.006 inches, less than about 0.005 inches, less than about 0.004 inches, less than about 0.003 inches, less than about 0.002 inches, or is about 0.001 inch.~~

16. (Previously presented) The non-woven soft tissue implant of claim 1, wherein the porous biocompatible film has atraumatic edges.

17. (Previously presented) The non-woven soft tissue implant of claim 1, wherein the porous biocompatible film is at least about 2.5 cm long along a first side and no more than about 45.0 cm long along a second side.

18. (Previously presented) The non-woven soft tissue implant of claim 1, wherein the implant is flexible along two axes.

19. (Previously amended) The non-woven soft tissue implant of claim 18, wherein the plurality of cells comprises a cell pattern containing undulating elements comprising a sinusoidal element.

20. (Previously presented) The non-woven soft tissue implant of claim 18, wherein each of the cells in the plurality of cells has a plurality of undulating elements in the form of a repeating pattern.

21. (Previously presented) The non-woven soft tissue implant of claim 20, wherein the undulating elements are in phase.

22. (Currently amended) The non-woven soft tissue implant of claim 1, wherein the cells in the plurality of cells have a diameter greater than 50 μ and ~~the non-woven soft tissue implant has force displacement characteristics that do not restrict tissue movement.~~

23. (Previously presented) The non-woven soft tissue implant of claim 22, wherein the implant can be distended by 25% or more at 16 N/cm.

24. (Canceled)

25. (Previously presented) The non-woven soft tissue implant of claim 1, wherein the plurality of cells are uniformly shaped.

26.-84. (Canceled)

85. (New) The non-woven soft tissue implant of claim 1, further comprising a tear resistant substrate.